

Most Blessed Sacrament Catholic School
Middle School Classroom Supplies List
Individual Classroom Supplies

Every student should have the supplies listed below by the first day of school. These supplies should be readily available for use during the school day, as well as for work to be completed at home. Parents may need to replenish these supplies throughout the school year.

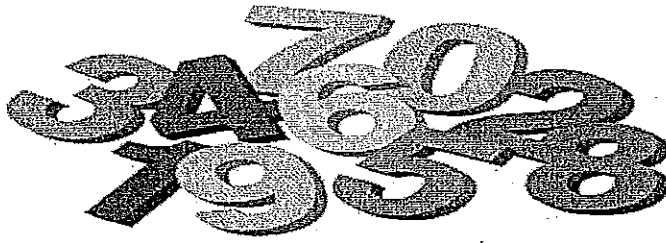
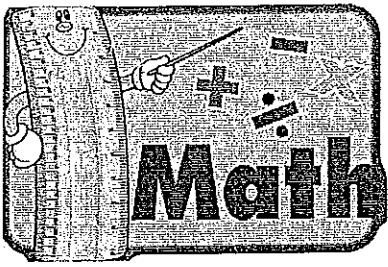
- Computer pen drive compatible with pc computers
- Inexpensive (Dollar Tree) ear buds in a Ziploc bag with name tag
- 4 Stiff Cover hand-sewn marble composition tablets (Religion, Social Studies, 2 ILA, Health)
- 1 spiral 5 subject notebook for Science
- Package of loose-leaf to put in binders
- A package or tablet of graph paper for Math/Science class
- blue and/or black medium ballpoint pens
- red medium ballpoint pens
- #2 Pencils-hand held pencil sharpener-pencil case
- 1 package of colored pencils
- 1 package of fine-tip black Sharpie Pens
- 1 box of crayons
- 1 highlighter
- 1 Standard/Metric Ruler
- 1 Glue Stick
- 1 Pair of Scissors
- At least 8 packages of 100 3 X 5 lined index cards
- book covers
- 2 inch 3 ring binder with loose leaf with dividers for Math notes, homework, classwork
- 1 inch 3 ring binder for Health
- 8x11 or 9x12 Sketch book for Art class

Students will need to purchase from the school a year-long daily assignment/homework book. They should bring in \$5.00 the first week of school for the assignment/homework book. Grades 6 and 7 require a scientific calculator, and Grade 8 Algebra requires a TI 84 graphing calculator

Communal Classroom Supplies

Every student should have the supplies listed below by first day of school. These supplies will be collected by the homeroom teacher and will be used by the class throughout the school year.

- 3 boxes of tissues
- 1 roll of paper towels
- 1 container of Clorox Clean-ups (or something equivalent)



Summer Math Challenge for Most Blessed Sacrament School Middle School Students

Dear Parents:

You ask your child to read over the summer... have them practice math skills as well! Can you imagine how far behind his peers your child would be if he stopped attending math class at the end of March? If a student doesn't practice his or her math skills during the summer, it has the same effect on math achievement. Researchers have found that the lack of math skill practice over the long summer months results in an average loss of 2.6 months of study when measured from year to year.

Through the years many parents have asked what can be done over the summer to maintain skills and develop mathematical thinking. The following assignment has been created to help your child retain his/her skills and to provide valuable practice over the summer. This is simply an opportunity for your child to maintain skills. We challenge students to continue to practice math skills over the summer by participating in math-related activities. Students may get help from siblings, parents, friends, etc. We encourage you to have conversations about the work with your child. Math discussions are an important way for students to remember and retain important concepts.

We have provided some ideas of activities, lists of games and websites, etc. that you can use with your child to assist the development of good math skills; such as spatial recognition, sequencing, patterns, logical deduction, visual memory and number facts. These can help strengthen a mathematical foundation that will be further developed within the math classroom. They are motivational and, with parent involvement, these games are an excellent way to get your child to communicate concepts while sharpening thinking skills. They also provide an opportunity for discussion and questions; encouraging your child to evaluate answers, draw conclusions and strengthen reasoning skills. Activities and games like these can be a low stress way to engage your child in math while developing necessary skills. Something as simple as playing cribbage daily can improve your child's number sense, addition skills, and number recognition.

How to get started:

- Check out the suggested activities.
- **Do the math!**
- **Record all written work in a spiral notebook or composition book. Make sure to write dates!**
- Document what has been completed on the provide charts. Students must complete **at least 22** activities.
- Obtain parent/guardian **signatures** for each completed activity as it is finished.
- **Record total time spent and attain final signature.**
- **Hand in the completed chart and notebook to the corresponding grades' math teacher on the first day of school.**

We hope you will find time to use some of these suggestions and that you enjoy. Thank you for your support. We are looking forward to an exciting and enriching year with your child. ☺

Sincerely,

Mrs. Kelley Carlson

Mr. Robert Mac Guinness Mrs. Jackie Sells

Participating in the math challenge is as easy as π !



Students: What can you do? Math! Listed below are links to resources and activities that can help you get started.

Online:

- **Arcademic Skill Builders** is a great resource to refresh all math operation areas. Play arcade games to review basic operations, fractions, decimals, and working with money.
- **Factors and Multiples Jeopardy:** Differentiate factors and multiples with this fun on-line game. (www.math-play.com)
- Go to the **Math Playground** to practice skills like measuring angles, working with fractions, and creating congruent or similar shapes using transformations.
- For fun logic games, try out **Math Maven's Mysteries** from Scholastic.
- **Math Hunt:** Have fun with math and make connections in science, social studies, and finance with these activities from Scholastic.
- Other favorite sites include: **HoodaMath, Johnnie's Math Page, ThinkFun, Set Game, Games for the Brain, NCTM Illuminations, Quizlet, That Quiz, The Math Forum-Ask Dr. Math, NCTM Calculation Nation**
- In addition, check out Sylvan Learning Center's list of Top Ten Websites for Math, Khan Academy, and MathTV.

Games:

Naturally, any game that requires keeping score uses math. Try to invent some new card, dice, board, or outdoor games, or devise scoring variations for familiar games. Almost everyone has a deck of cards in their house, and there are so many ways a deck of cards can be used to practice math skills. Add some dice and have more fun! Games will help your child sharpen thinking skills, makes inferences, draw conclusions, evaluate answers and strengthen reasoning. Beside each resource are skills and concepts which are reinforced through its use.

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| <ul style="list-style-type: none">• Simon or Mini Wizard (sequencing, following multi-step directions, visual and auditory memory)• Battleship (spatial orientation, visualization, visual memory)• Cribbage (number relationships, patterns, visual clusters)• Quarto (spatial orientation/space organization, patterns, classification)• Concentration (visualization, pattern recognition, visual memory)• Chinese Checkers (patterns, spatial orientation/space organization)• Pachisi (sequencing, patterns, number relationships)• Checkers (sequencing, patterns, spatial orientation/space organization)• Othello (pattern recognition, spatial orientation, visual clustering, focus on more than | <ul style="list-style-type: none">one aspect, variable or concept of time)• Score Four or Connect Four (pattern recognition, spatial orientation, visual clustering, geometric patterns)• Qubic (pattern recognition, spatial orientation, visualization, geometrical patterns)• Pyraos (spatial orientation/space organization)• Krypto (number sense, basic arithmetical facts)• Go Muko (pattern recognition, spatial organization)• Kalah/ Mankalah (sequencing, counting, estimation, visual clustering)• Master Mind (sequencing, logical deduction, pattern recognition)• Four Sight (spatial orientation, pattern recognition, logical deduction)• Black-Box (logical deduction) | <ul style="list-style-type: none">• Reckon (number facts, estimation, basic operations)• Card Games (visual clustering, pattern recognition, number facts)• Dominos (visual clustering, pattern recognition, number facts)• Hex- hexagon puzzle game (pattern recognition)• British Squares (pattern recognition)• Stratego (spatial recognition, logical deduction, graphing)• Number War Games (visual clustering, arithmetic facts, mathematics concepts)• Monopoly , Life, Payday, S'Math, Tripoly (basic operations)• Sequence, Blokus, Geoshapes, Qwirkle (patterns and geometry)• Clue, Stratego, SuDoKu (logical reasoning)• Deal or No Deal? (probability) |
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Real-life math activities: Record your observations and work for these in your notebook. Don't forget dates.

- **Take a vacation!** Before you take off on that family trip, help your parents and get in on the planning! Here are a few examples of where math can be used when taking that family trip.
 - Use an atlas and figure out how many miles you'll be driving – the scale of miles is a great example of proportion and measurement used in real life.
 - What's your car's fuel efficiency? How many miles per gallon does your car average on highways? Add to find out the total cost to fill up the tank throughout your trip; divide to calculate the miles driven per gallon of gas; multiply to determine the cost of a fill-up based on your expected travel distance... is it time to purchase a hybrid vehicle?

- How fast did you get there? Calculate elapsed time by finding the difference between the times of arrival at different locations versus time of departure. Use the car's trip odometer to find out how many miles you've driven, and determine your average speed.
- How much is the trip likely to cost, taking into account gasoline, tolls, meals, lodging, recreation, and souvenirs? Compare the actual costs of the trip to your prediction.
- What are the highest and lowest gas prices your trip? How much money can you save by filling up your car at the lowest price?
- License plate math- Subtract, add, multiply, or divide the numbers you find on plates. Work with as many digits as you wish.
- Where is there math on the beach? How many waves crash on the shore in a minute? How many fries does a seagull consume in 5 seconds? What shapes do you see in the clouds?
- **Or a Staycation!**
 - What is the biggest building in town? The smallest? How can you find or estimate its dimensions? How many windows?
 - Take a home inventory. How many books/ dishes/ toys/items of clothing/ pairs of shoes are in your home?
 - Take a math hike. What geometric shapes can you find in your backyard or in your neighborhood? What comes in clusters? What are symmetrical?
- **Gardens of Eating... and Math!**
 - Besides providing a great source of delicious summer vegetables and fresh flowers, gardens grow great opportunities to show practical applications for math.
 - How big is the garden? (area) How much fencing is needed to keep out the deer? (perimeter)
 - How much fertilizer do you need to keep the garden (or yard) growing? How much mulch do you need to order if you want to put it down 3" thick in your flower beds?
 - What is the weight of that prize-winning tomato or watermelon? How many peppers are on the biggest pepper plant?
 - If you need to keep your bean plants 3 inches apart, how many plants will grow on a 12 foot row? How many seeds should you plant?
 - Go to the supermarket or farmer's market and find out the cost of fresh vegetables you can grow at home. How much money will you save if you grow it yourself?
- **Take me out to the [ball]game!**
 - Take in a summer baseball game – either at the ballpark or on TV. Baseball is a natural place to see math in action – from a pitcher's ERA to a hitter's on-base percentage. Follow team statistics. Make a graph to track changes over time. Record the events of a game using a scorecard.
 - To find out all about how to keep score, go to Patrick McGovern's fantastic website: The Baseball Scorecard. Then, calculate some statistics about your favorite players.
 - If you really like baseball, run your own team! Check out Fantasy Baseball and Math. (You can also play fantasy football and soccer, too!)
 - Watch the Olympic Games. Track the results of various sports during the games. Construct graphs comparing present and past winning results of various Olympic sports. Create and participate in your own Olympic-type activities using measurement.
 - What about the geometry of sports? Playing fields and balls are geometric shapes. Take a look at how a baseball or football is formed from several flat shapes. Research math terms for familiar shapes. Of course a baseball is a sphere, but did you know that a football is a "prolate spheroid"? What does that mean? What's the story behind the shape of a football?
- **Take a trip to the grocery store!**
 - Estimate the total bill based on prices of what you are purchasing.
 - How much does that bunch of bananas weigh? How much will it cost?
 - What is the unit price of your favorite box of cereal? What is the unit of measurement, and how much is the total cost of that box?
- **In the kitchen – cook up some math!**
 - Measure all of the ingredients (especially the liquids in the glass measuring cups).
 - Challenge yourself to double the recipe or cut the recipe in half – fractions are everywhere!
- **Time to head back back-to-school!**
 - You've gotten that list of needed school supplies. How much will it cost? Use the advertisements in newspapers to find the best deals and calculate how much you'll spend to get set for the new school year.
 - A new wardrobe? At what cost? Dream-shop without spending. What if you had \$200 to spend? Make a wish list of items with cost. How close can you come to spending the exact budget? Don't forget tax!
 - Math scavenger hunt: What is the most expensive item you can find in the entire mall or outlets? Cheapest? Biggest? Smallest? Size and cost of largest electronic? Smallest? Make up your own questions and keep exploring.

These are just a few suggestions. Feel free to make up your own ideas. Just remember to keep track of what you do using the provided chart and disperse this time throughout the length of vacation. It is not recommended that summer work is completed all at once at the beginning of summer or all at once at the end. Be prepared with completed work as you enter into school on the first day. Have a great summer... and don't forget – math is everywhere!

Date	Type of Activity	Specific Activity Description	Amount of Time	Parent Initials

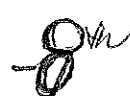
Total time: _____

The time stated above was spent engaging in math activities this summer.

Parent Signature: _____

Student Signature: _____

THE TRUE CONFESSIONS OF CHARLOTTE DOYLE
by Avi



Why was Charlotte the only passenger on the Seahawk?

Describe Captain Jaggery:

Who was Mr. Cranick?

Who was Zachariah?

What does "round robin" writing mean?

At first, the captain was very courteous to Charlotte. What event changed their relationship?

What did Charlotte do to regain the trust and the respect of the crew?

With what crime was Charlotte charged and what was her sentence?

For their **writing assignment** over the summer, students are to keep a journal, sharing new experiences or exciting times that were spent with family and friends. For example, if you went water skiing for the first time, or deep water fishing or zip-lining, anything that you participated in for the first time should be expressed with descriptive adjectives, vivid verbs, and lots of details. If you did not participate in any new adventure, then you should still share experiences that you enjoyed. Students should write at least 5 entries. Work should be typed with size 12, Times New Roman font. Make sure your work is double spaced, and that you use the proper heading. Title should be SUMMER EXPERIENCES.